cartPage

Cart Page This document outlines the functionality and structure required to develop a Cart Page in a web application. The Cart Page allows users to review, modify, and proceed with the items they have added to their shopping cart. Overview ■ The Cart Page serves as a summary of items that users have added to their cart while browsing the application. It enables users to review their selections, adjust quantities, remove items, and proceed to checkout. Components: ■ The Cart Page will consist of the following components: CartItem Component ■ Displays individual items added to the cart, including: Product name Image Price Quantity input Subtotal Remove button CartSummary Component ■ Provides a summary of the cart, including: Total number of items in the cart Total price Proceed to Checkout button CartPage Component ■ Acts as the main container, rendering CartItem and CartSummary components. Manages cart data, updates, and interactions. Functionality: ■ Display Cart Items ■ Retrieves cart data from the application's state or backend. Renders CartItem components based on the items added to the cart. Modify Cart Items ■ Allows users to adjust quantities of items in the cart through quantity input fields in CartItem components. Provides a remove button to delete items from the cart. Cart Summary ■ Calculates and displays the total price of items in the cart. Updates the cart summary in real-time based on changes made to cart items (quantity adjustments or item removal). Checkout Process ■ Provides a "Proceed to Checkout" button that redirects users to the checkout page or initiates the checkout process. Testing: ■ Conducts unit tests for CartItem, CartSummary, and CartPage components. Verifies functionalities like adding/removing items, updating quantities, and calculating the total price. Ensures the "Proceed to Checkout" button functions correctly. Future Enhancements: ■ Implement saved carts for users to revisit later. Integrate discount codes or promotions in the cart. Enhance user experience with animations or visual cues for cart interactions. Conclusion: ■ The Cart Page is a crucial component in the shopping experience, providing users with an overview of their selected items and facilitating easy modification before proceeding to checkout.